

Proposed PHIN Notifiable Condition Mapping Tables Maintenance Process

I. Introduction

Scope

The scope of the conditions for which codes and mappings are needed is all reportable conditions:

- a. All nationally notifiable conditions
- b. All conditions that are reportable in states, sub-state jurisdictions, and territories
- c. Other conditions needed to create a structured coding system of reportable conditions.

Purposes

The purposes of the PHIN Notifiable Condition Mapping Tables are:

- a. Identifying reportable data in clinical and laboratory settings.
- b. Routing of information received by public health agencies to appropriate program areas.
- c. Facilitating lab data entry by:
 - Providing a standard set of codes for laboratory tests and test results.
 - Linking laboratory tests and results to reportable conditions.

Organizational Responsibility and Structure

A subcommittee of the CDC Information Council (CIC) with staffing by CDC's Information Resources Management Office (IRMO) will have organizational responsibility for maintaining the PHIN Notifiable Condition Mapping Tables.

- Subcommittee members will include individuals with expertise in laboratory functions and electronic laboratory reporting.
- This subcommittee will report to the CIC Data Standards Working Group and, as needed, the full CIC.
- IRMO staff, working with the PHIN Notifiable Condition Mapping Table maintenance subcommittee, will manage the mapping table maintenance functions as described in Section II, below.

II. Proposed maintenance processes

1. Establish and Maintain a List of Reportable Conditions

PHIN Mapping Table managers will establish and maintain a list of reportable conditions for every state and sub-state jurisdiction.

- a. Managers will work with the Council of State and Territorial Epidemiologists (CSTE) and CDC's Epidemiology Program Office (EPO) to assure the list of notifiable disease conditions is current and accurate.
- b. Managers will work with CSTE and the National Association of County and City Health Officials (NACCHO) to extend the list to include conditions that are reportable to state, county, or city agencies but that are outside the scope of what is currently reported to CDC. Managers also will seek input from relevant disease content experts in CDC's Centers, Institutes, and Offices (CIOs):
 - National Center for Infectious Diseases
 - National Immunization Program
 - National Center for HIV, STD, and TB Prevention
 - National Center for Environmental Health
 - Others CIOs as needs arise

2. Interface with Laboratory Data Content Experts

PHIN Mapping Table manager responsibilities include:

- a. Identifying laboratory tests and results associated with reportable conditions
- b. Organizing and managing expert review by initiating and maintaining contact with laboratory data content experts.
 - Managers will work with the Association of Public Health Laboratories (APHL) to identify new tests and test results for which codes are needed. (A possible mechanism for this activity is the APHL membership survey.)
 - Further investigation is needed to decide whether ongoing contact with FDA can facilitate timely identification of new laboratory tests.
 - Managers will work with laboratory subject matter experts in CDC's Centers, Institutes, and Offices to identify existing and newly added laboratory tests for which codes are needed.
 - Managers also will initiate and maintain contact with vocabulary standard-setting organizations that identify new tests and results for which vocabulary terms and codes are needed.

3. Identify Codes for Laboratory Tests and Results

PHIN Mapping Table managers will identify codes for laboratory tests and results from existing standard vocabularies.

- a. Routine queries of coding systems for new codes will be one way to identify new codes that are candidates for addition to the PHIN Notifiable Condition Mapping Tables.
 - One mechanism of identifying relevant new codes in LOINC would be to search the Component field of the LOINC database for terms that match terms already included in the PHIN Notifiable Condition Mapping Tables.
- b. When codes needed for new tests or results are not available from standard vocabularies, managers will work with vocabulary standard-setting organizations and submit proposals for new terms and codes.
- c. Managers will develop interim codes for use while the proposals are prepared, submitted, and considered by external standard-setting organizations.
- d. PHIN Mapping Table managers will designate representatives or liaisons to vocabulary standard-setting organizations.
 - Managers will work with these representatives or liaisons to establish a process for updating the PHIN Notifiable Condition Mapping Tables as additions are made to coding systems maintained by the vocabulary standard-setting organizations.

4. Map Coded Laboratory Tests and Results to Reportable Conditions

PHIN Mapping Table managers will work with epidemiologists and experts in laboratory functions to map test and result codes to reportable conditions.

5. Communicate with Stakeholders and Advisors

PHIN Mapping Table managers will distribute draft test and result codes, and mappings to reportable conditions for review and comment by stakeholders and advisors. The focus of this review will be discovery of what is missing or misstated in the draft codeset version. After this input is received and incorporated by the codeset managers, the CIC subcommittee will review and approve codeset versions prior to publication.

6. Publish Codeset Tables

PHIN Mapping Table managers will publish new versions of test and result codes with mappings to reportable conditions using the Web services and vocabulary infrastructure under development for CDC's National Electronic Disease Surveillance System (NEDSS).

7. Provide Technical Assistance and Document User Feedback

PHIN Mapping Table managers will designate a Technical Assistance and Feedback Contact for users who have questions or comments. E-mail and telephone contact information will be provided for this individual.